BİL626 – Assignment#2

Subject   **:** Correcting a missing scan line
Due date   **:** 28.03.2016, 23:55
Submission **:** WORD document to be uploaded on moodle

DOWNLOAD following images:
- Image-1: Taken from Çanakkale in 25/04/2009.
- Image-2: Taken from the same area in 02/09/2013.

Write a MATLAB script
- To match the histogram of **Image-1** to **Image-2** to obtain a new image.
  Use the method described in Chapter-4 (slides **27** and **28**).
    OR
  Directly apply Image-2 histogram to Image-1 using *histeq*

Prepare a report containing:
- Your MATLAB script codes
- Original histograms of Image-1 and Image-2.
- Uniform histograms of Image-1 and Image-2 after applying **T(r)** and **G(z)**, respectively.
- Histogram of the new image after applying **G^{-1}[T(r)]** to Image-1.
- Give **Image-1**, **new image** and **Image-2** as a figure.
- Comment on the new image by comparing it with **original** image (Image-1) and Image-2.